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Produktinformation



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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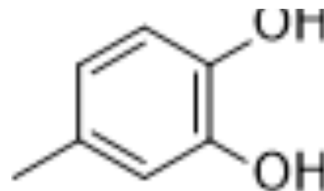
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4-Methylcatechol

Cat. No.:	HY-W012814		
CAS No.:	452-86-8		
Molecular Formula:	C ₇ H ₈ O ₂		
Molecular Weight:	124.14		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (805.54 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	8.0554 mL	40.2771 mL	80.5542 mL
		5 mM	1.6111 mL	8.0554 mL	16.1108 mL
10 mM		0.8055 mL	4.0277 mL	8.0554 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (20.14 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (20.14 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (20.14 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	4-Methylcatechol, a metabolite of p-toluate, is a substrate as well as a suicide inhibitor of Catechol 2,3-Dioxygenase.	
IC₅₀ & Target	Human Endogenous Metabolite	Catechol 2,3-Dioxygenase

REFERENCES

[1]. Okuta A, et al. Construction of chimeric catechol 2,3-dioxygenase exhibiting improved activity against the suicide inhibitor 4-methylcatechol. Appl Environ Microbiol. 2004 Mar;70(3):1804-10.

Caution: Product has not been fully validated for medical applications. For research use only.

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